| Index of Claims  | Application/Control No. | Applicant(s)/Patent under Reexamination |  |  |  |  |  |
|--|-------------------------|---|--|--|--|--|--|
| £ \$33131 \$1311 00111 13001 01110 01110 01111 10111 01071 0111 1011 | 10/756,845              | NOSAKA, HITOSHI                         |  |  |  |  |  |
|  | Examiner                | Art Unit                                |  |  |  |  |  |
| A 133131 11311 88111 13881 81118 81181 18111 BIBS BIK 1881           | Michael Aboagye         | 1725                                    |  |  |  |  |  |
| (Through   | numeral) Non Floated    | Anneal                                  |  |  |  |  |  |

| 1 | Rejected |   | (Through numeral)<br>Cancelled | N | Non-Elected  | Α | Appeal   |
|---|----------|---|--------------------------------|---|--------------|---|----------|
| = | Allowed  | ÷ | Restricted                     | ı | Interference | 0 | Objected |

| Cla         | im         | Date   |  |  |              |              |  | Claim Date                                       |  |          |          |       |          |                 |          |          | ١        | Cla      | aim I    | _        | Date     |          |     |           |            |          |                |          |           |          |             |          |          |           |
|-------------|------------|--|--|--|--------------|--------------|--|--|--|----------|----------|-------|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|-----|-----------|------------|----------|----------------|----------|-----------|----------|-------------|----------|----------|-----------|
| <u> </u>    |            | $\vdash$   | T  |  | т'           | I            | Ť  |  |  | $\dashv$ | -        |       |          |                 | П        | Т        | Ť        |          | Т        | Т        | -        | ┪        | ŀ   |           |            | П        | Т              |          | Ť         | Ť        | П           | Т        |          | _         |
| Final       | Original   | 10/28/05   |  |  |              |              |  |  |  |          | ·        | Final | Original |                 |          |          |          |          |          |          |          |          |     | Final     | Original   |          |                |          |           |          |             |          | į        |           |
|             | 6          | l  | _  |  | <u> </u>     | _            | ļ.   |  |  | _        | <u> </u> |       | 51       | Ш               | $\dashv$ | 4        | _        |          | $\dashv$ | 4        | $\dashv$ | $\dashv$ | }   |           | 101        |          | 4              |          |           | -        | $\dashv$    | 4        | 4        | $\dashv$  |
| 1           | 1          | =  | <b>!</b> _                                       | <u> </u>   | ├            | ├-           |  | Н  | Н                                      | 괵        | $\vdash$ |       |          | $\vdash\vdash$  | -        |          | -        | <b>-</b> | $\dashv$ |          |          | $\dashv$ | ŀ   |           |            | -        | $\dashv$       | $\dashv$ | $\dashv$  | -        | $\dashv$    | -+       | $\dashv$ | $\dashv$  |
| 4           | 0          | =  | _  | <u> </u>   | <u> </u>     | _            | _  |  | Ш                                      | $\dashv$ | -        |       | 52       | $\vdash \vdash$ |          | -        | 4        | 4        | $\dashv$ | -        | -        | -        | - } |           | 102        | -        | $\dashv$       | $\dashv$ | -         |          | -           | -        | +        | $\dashv$  |
|             | 1          | <u> </u>   | _  | _  | <u> </u>     | L            | <u> </u>   |  |  | _        | -        |       | 53       |                 | _        | _        | _        |          | _        | 4        |          | 4        | - } |           | 103        |          | $\dashv$       | $\dashv$ | _         |          | -           | +        | -+       | ᅴ         |
|             | <u> </u>   | L  |  |  | <u> </u>     | L            | ┕  |  | Ш                                      | _        | <u> </u> |       | 54       |                 | _        | $\dashv$ | _        | _        |          | -        | _        | _        | - } |           | 104        | _        |                |          | -         | $\dashv$ | $\dashv$    | -        |          | 4         |
|             | 1          | <u> </u>   |  |  | <u> </u>     | <u> </u>     | L.   |  | Ш                                      | _        | $\vdash$ |       | 55       | Ш               | _        |          | 4        | _        | -        | _        | -        | 4        | ļ   |           | 105        | _        | $\dashv$       |          |           | -        | $\dashv$    | -        | $\dashv$ | -1        |
| 2           | 6          | 두  | _  | L  | <u> </u>     | L            | <u> </u>   | L  |  | _        |          |       | 56       | Ш               | _        | _        |          |          | 4        | _        |          | 4        | ŀ   |           | 106        | _        | $\dashv$       | _        |           | _        | $\dashv$    | -        |          | ᅴ         |
| 5           | 7          | 1  |  | _  | _            |              |  |  |  | _        | _        |       | 57       | Ш               | _        | _        | _        | _        | _        | _        |          | _        | ļ   |           | 107        | -        | -              | -        | _         | $\dashv$ | -           | -        | $\dashv$ | 4         |
| 6_          | 8          | 1  | _  |  | <u> </u>     | <u> </u>     | <u> </u>   |  |  | _        |          |       | 58       |                 | _        | _        | _        | _        | 4        | -        | -        | _        | }   |           | 108        |          | $\dashv$       | _        |           | $\dashv$ | $\dashv$    | -        | $\dashv$ | ႕         |
| 7           | 9          | Щ  | <u> </u>   | L  |              |              | <u> </u>   |  | Щ                                      | _        | -        |       | 59       |                 | _        | 4        | -        | _        | _        | 4        | -        | 4        | }   |           | 109        | -        | $\dashv$       | $\dashv$ |           |          | $\dashv$    | $\dashv$ | -        | ᅱ         |
| 8           | 10         | Ц  | _  |  |              | <u> </u>     | <u> </u>   | _  |  | _        | <u> </u> |       | 60       |                 | _        | _        |          | $\dashv$ | 4        | 4        |          |          | -   |           | 110        |          | $\dashv$       | $\dashv$ | -         | -        | 4           | -        | -        | $\dashv$  |
| 3           | 11         | 1  | <u> </u>   | ļ.,  | 1            | L            | <u> </u>   |  | $\sqcup$                               | _        | -        |       | 61       |                 |          | $\dashv$ | 4        |          |          | -        | _        | $\dashv$ |     |           | 111        |          | $\dashv$       | -        |           |          | $\dashv$    | -        | +        | $\dashv$  |
| 9           | 12         | 1  | <u> </u>   | -  | ₩            | ₽-           | <del> </del>                                     | <b>—</b>   | $\sqcup$                               | _        | -        |       | 62       | $\sqcup$        |          |          | _        | -        |          | -+       | $\dashv$ | $\dashv$ | ŀ   |           | 112        |          |                | $\dashv$ |           |          | $\dashv$    | $\dashv$ | $\dashv$ | $\dashv$  |
| 10          | 0          | 1  | <u> </u>   | <u> </u>   | <u> </u>     | ┞            | ⊢  | H  | $\sqcup$                               |          | $\vdash$ |       | 63       |                 | $\dashv$ | _        | 4        |          | $\dashv$ | -        | $\dashv$ | ᅴ        | -   |           | 113        |          | -              | -        |           |          | -           | $\dashv$ | $\dashv$ | $\dashv$  |
| 11          | <b>(4)</b> | 트  | <u> </u>   | _  | 1            |              |  | <b>-</b>   | $\vdash$                               |          | $\vdash$ |       | 64       |                 |          | _        | 4        |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | }   |           | 114<br>115 | -        | -+             | $\dashv$ | -         |          |             | +        | $\dashv$ | ᅴ         |
| <u> </u>    | 15         | <del> </del> —                                   | <del> </del>                                     | ŀ  | $\vdash$     | ⊢            | <del> </del>                                     | <u> </u>   | Н                                      | _        | -        |       | 65       | $\vdash$        | $\dashv$ | $\dashv$ | 4        | $\dashv$ |          | -        | $\dashv$ | $\dashv$ | }   |           | 116        | $\dashv$ |                |          | -         | $\dashv$ |             | -+       | $\dashv$ | $\dashv$  |
|             | 16         | ļ  |  | $\vdash$   | <del> </del> |              | $\vdash$   | <u> </u>   |  |          | $\vdash$ |       | 66<br>67 |                 | -        | -        | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |     |           | 117        |          |                | $\dashv$ | $\dashv$  | -        |             | $\dashv$ | $\dashv$ | $\dashv$  |
|             | 17         | <del> </del>                                     | -  | <del> </del>                                     |              | ├-           | -  | <u> </u>   | $\vdash \vdash$                        |          | -        |       |          |                 |          | _        | 1        | -1       | -        | $\dashv$ | $\dashv$ | $\dashv$ | }   |           | 118        |          |                |          | -         | $\dashv$ |             |          | $\dashv$ | $\dashv$  |
|             | 18         | <u> </u>   | <u> </u>   | ┡  | ╀            | ╄            | ├—   | <del> </del>                                     |  |          | -        |       | 68       | Н               |          | -        | $\dashv$ | $\dashv$ | -        | -        |          | 4        |     |           |            | -1       | -              | -+       | -         | $\dashv$ | $\dashv$    |          | -        | $\dashv$  |
| <u> </u>    | 19         | -  | <u> </u>   | ⊢  | ┝            | <del> </del> |  | ┡  | Н                                      |          | _        |       | 69       |                 |          | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | -        | -        |     |           | 119<br>120 | $\dashv$ |                |          | -         | -        | -           | -+       | $\dashv$ | $\dashv$  |
| _           | 20         | L  | ļ_   | ┡  | ┡            | ├-           | L  | $\vdash$   | Н                                      | ᅴ        | $\vdash$ |       | 70       | Н               |          |          | -        | -        | -        |          | -        | 4        | - 1 |           | 121        | -        | $\dashv$       | $\dashv$ | -         |          | -           | -        | -        | $\dashv$  |
| <u> </u>    | 21         | -  | -  | <u> </u>   | <u> </u>     | <u> </u>     | -  | -  | Н                                      | $\dashv$ | $\vdash$ |       | 71       | Н               | $\dashv$ |          | $\dashv$ | $\dashv$ | -        | $\dashv$ |          |          | ŀ   |           | 122        |          | $\dashv$       | -        | -         | $\dashv$ | ┪           | +        | $\dashv$ |           |
|             | 22         | <u> </u>   | <u> </u>   | <u> </u>   | _            | -            | -  | ├-   | $\square$                              |          | $\vdash$ |       | 72<br>73 | Н               |          |          | $\dashv$ | -        | -        |          | -        | $\dashv$ | -   |           | 123        |          | $\dashv$       | -        |           | $\dashv$ | $\dashv$    | $\dashv$ |          |           |
|             | 23         | <u> </u>   | $\vdash$   | ▙  |              | ├-           |  | _  | Н                                      |          | -        |       |          | $\vdash$        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | -        | ŀ   |           | 124        | -        | $\dashv$       | $\dashv$ | -         |          | $\dashv$    | $\dashv$ | -        | -         |
|             | 24         | -  | $\vdash$   | -  | ├            | ╀            | -  | ┢  | H                                      |          | $\vdash$ |       | 74<br>75 | -               |          |          | $\dashv$ | $\dashv$ | -        |          | +        | $\dashv$ | - 1 |           | 125        | $\dashv$ | $\dashv$       | $\dashv$ | -         | -        |             | $\dashv$ | ┰        |           |
|             | 25<br>26   | -  | $\vdash$   | ┢  | $\vdash$     | ├            | -  | ⊢  | Н                                      | $\dashv$ |          |       | 76       | Н               | -        | -        |          | $\dashv$ | -        | $\dashv$ | $\dashv$ |          | ŀ   |           | 126        |          | -              | -        |           | ╁        |             | $\dashv$ | $\dashv$ | $\dashv$  |
|             | 27         | ⊢  | ├  | ╀  | -            | ╀            | -  | ┢  | Н                                      | $\dashv$ | -        |       | 77       | Н               | -        | ᅱ        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | ŀ   |           | 127        | $\dashv$ | $\dashv$       | -        | $\dashv$  |          |             | $\dashv$ | $\dashv$ | -         |
| -           | 28         | H  | -  | -  | ┼            | ╁            | _  | ┢  | Н                                      |          | $\vdash$ |       | 78       | Н               | -        | -        | -        | _        | $\dashv$ | $\dashv$ | -        |          | ŀ   |           | 128        | -        | $\dashv$       | $\dashv$ | $\dashv$  | -        |             | +        | $\dashv$ |           |
|             | 29         | ├  | ╁  | ┢  | $\vdash$     | $\vdash$     | -  | ├  | Н                                      | $\dashv$ | $\vdash$ | _     | 79       | Н               |          | -        | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | H   | -         | 129        | $\dashv$ | $\dashv$       | -        |           |          | 一           | $\dashv$ | $\dashv$ | _         |
|             | 30         | -  | $\vdash$   | ╁  | $\vdash$     | ├            |  | -  | Н                                      | =        | H        |       | 80       | Н               | $\dashv$ | ᆉ        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ŀ   |           | 130        | +        | +              | -        | $\dashv$  | $\dashv$ | 一           | $\dashv$ | $\dashv$ | 一         |
|             | 31.        | ┝  | ╁  | -  | ╁            | -            |  | -  | Н                                      | $\dashv$ | -        |       | 81       | Н               | $\dashv$ | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | ł   |           | 131        | _        | -              | $\neg$   | $\dashv$  | $\dashv$ | $\dashv$    | -        | +        | 一         |
| <u> </u>    | 32         | $\vdash$   | <del> </del>                                     | $\vdash$   | +            | +            | +-   | $\vdash$   |  | $\dashv$ | $\vdash$ |       | 82       |                 | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | ł   |           | 132        | $\dashv$ | $\dashv$       | $\dashv$ |           |          | 一           |          | $\dashv$ | ᅱ         |
| <u> </u>    | 33         | ╁  | ├─   | <del> </del>                                     | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$                               | $\dashv$ | $\vdash$ | _     | 83       | $\vdash$        | -        | $\dashv$ | $\dashv$ | $\dashv$ |          |          | $\neg$   | $\dashv$ | ł   |           | 133        | $\dashv$ | $\dashv$       | $\dashv$ | $\neg$    |          | $\dashv$    | $\dashv$ | $\dashv$ | ᅦ         |
| $\vdash$    | 34         | $\vdash$   | $\vdash$   | <del>                                     </del> | +-           | $\vdash$     | <del>  -</del>                                   | $\vdash$   | $\vdash$                               | -        | $\vdash$ |       | 84       | $\vdash$        |          | $\dashv$ | $\dashv$ | $\dashv$ | 一        | -        | $\dashv$ | $\dashv$ |     |           | 134        | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$  | -1       | 一           | +        | 一        | ㅓ         |
| <del></del> | 35         | $\vdash$   | t  | t  | t            | +            | <del> </del>                                     | 1  | $\vdash$                               | $\dashv$ | $\vdash$ |       | 85       | Н               | $\vdash$ | $\neg$   | $\dashv$ | _        | 7        | 寸        | $\dashv$ | $\dashv$ |     |           | 135        | $\vdash$ | _              | $\dashv$ | $\neg$    | $\vdash$ | $\dashv$    | 7        | 7        | $\dashv$  |
|             | 36         | $\vdash$   | 1  | $\vdash$   | +            | +            |  | $\vdash$   | $\vdash$                               | $\dashv$ |          |       | 86       | $\vdash$        | $\vdash$ |          | ᅥ        | -        | _        |          | _        | $\dashv$ | Ì   |           | 136        | -        | $\dashv$       | $\dashv$ | $\exists$ | $\vdash$ | _           | _        | 7        | ㅓ         |
| $\vdash$    | 37         | $\vdash$   | $\vdash$   | $\vdash$   | +-           | +            | $\vdash$   | $\vdash$   | $\vdash$                               | $\dashv$ | <u> </u> |       | 87       | Н               | $\vdash$ | $\dashv$ | -        | _        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | - 1 |           | 137        |          | $\dashv$       |          | $\neg$    |          | 一           | $\dashv$ | 寸        | ᅥ         |
| <u> </u>    | 38         | <del>                                     </del> | $\vdash$   | $\vdash$   | +            | $\vdash$     | 1-   | <del>                                     </del> | $\vdash$                               | $\dashv$ | $\vdash$ |       | 88       | $\vdash$        | -        | -1       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ |     |           | 138        |          | _              | $\neg$   | $\dashv$  | $\vdash$ | ᅥ           | 一        | 7        | ㅓ         |
| $\vdash$    | 39         | H  | ┢  | $\vdash$   | t            | t            | H  | T  | $\vdash$                               | $\dashv$ |          |       | 89       | Н               | -        | _        | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ı   |           | 139        |          |                |          | $\neg$    | -        |             | $\dashv$ | $\dashv$ | ヿ         |
| $\vdash$    | 40         | $\vdash$   | 1  | $\vdash$   | 1            | t            | <del>                                     </del> | <del>                                     </del> | Н                                      | $\dashv$ | $\vdash$ |       | 90       | Н               | $\vdash$ | 一        | -        |          | 寸        | 7        | $\dashv$ | $\dashv$ |     |           | 140        | $\neg$   | $\dashv$       |          | $\neg$    |          | _           | 7        | 7        | ᅦ         |
| -           | 41         | 1  | T  | $\vdash$   | $\vdash$     | 1            | $^{\dagger}$                                     | 1  | $\vdash$                               | $\dashv$ | -        |       | 91       | Н               | $\vdash$ |          | -        |          | $\dashv$ | -        | -        | $\dashv$ |     |           | 141        | -        | $\neg \dagger$ | $\neg$   | $\dashv$  | $\Box$   | $\dashv$    | $\neg$   | 7        | ᅱ         |
| <u> </u>    | 42         | t  | t  | T  |              | T            | Т  |  | Н                                      | $\dashv$ | -        |       | 92       | -               | $\vdash$ | $\neg$   | $\neg$   | $\dashv$ | 寸        | $\dashv$ | _        | $\dashv$ |     |           | 142        |          | $\dashv$       | $\neg$   | $\neg$    |          | $\neg$      | 一        | $\dashv$ | ᅱ         |
| $\vdash$    | 43         | 1  | 1  | T  | T            | T            | 1  | $\vdash$   | П                                      | $\dashv$ |          |       | 93       | П               | $\Box$   | $\dashv$ |          | $\dashv$ | _        |          | _        | $\neg$   |     |           | 143        |          | .              |          |           | $\Box$   |             |          | $\neg$   | ヿ         |
|             | 44         | 1  | $t^{-}$  | 1-   | T            | $\vdash$     | 1  | 1-   | $\Box$                                 | $\neg$   |          | _     | 94       | П               | $\Box$   | ヿ        |          | $\dashv$ | $\dashv$ | _        |          | ヿ        |     |           | 144        |          | $\neg$         | $\neg$   |           |          | $\neg$      | $\neg$   | 一        | $\exists$ |
|             | 45         | $I^-$  | T  | 1  | 1            | t            | $t^-$  | <del>                                     </del> | П                                      | $\dashv$ |          |       | 95       | П               | $\Box$   | $\dashv$ | $\dashv$ | _        | _        | $\neg$   | 寸        | $\dashv$ |     |           | 145        | $\Box$   |                |          |           | $\Box$   | $\neg$      | $\neg$   |          | コ         |
|             | 46         |  | $t^-$  | t  | t            | $\vdash$     | T  | T  | $\Box$                                 | $\dashv$ |          |       | 96       | П               |          | ヿ        | $\neg$   | $\dashv$ | 寸        | -        |          | $\neg$   |     |           | 146        |          |                |          |           |          |             |          | $\neg$   | $\neg$    |
|             | 47         | 1  | <del>                                     </del> | $\vdash$   | $\vdash$     | Т            | T  | T  | П                                      | $\dashv$ |          |       | 97       | П               |          | $\dashv$ |          |          | _        | _        | $\neg$   | $\neg$   |     |           | 147        |          |                | _        |           |          | $\neg$      | $\neg$   | $\dashv$ | ヿ         |
|             | 48         |  | $t^{-}$  | 1  | 1            | $\vdash$     | T  | T  | Н                                      | $\dashv$ | $\vdash$ |       | 98       | П               | Н        | 一        |          | -        | ᅵ        | _        | 寸        | ╗        |     | <b>——</b> | 148        |          | $\neg$         |          |           | $\vdash$ |             | $\neg$   | $\neg$   | $\neg$    |
|             | 49         | $t^{-}$  | T  | T  | t            | 一            | 1  | ⇈  |  | $\dashv$ |          |       | 99       | П               |          | $\dashv$ |          | $\dashv$ | 一        | 一        | $\neg$   | $\dashv$ |     |           | 149        | $\neg$   |                |          |           | $\Box$   | $\neg$      | $\neg$   | 7        | $\dashv$  |
|             | 50         | $\vdash$   | T  | $\vdash$   | T            | $\vdash$     | †  | $\vdash$   | Н                                      | $\vdash$ | .  -     |       | 100      | $\vdash$        | $\vdash$ | 一        |          | $\neg$   | _        | $\neg$   | _        | $\dashv$ |     |           | 150        | $\dashv$ | $\neg$         | $\neg$   |           | $\Box$   | $\neg \neg$ | _        | 7        | $\neg$    |
|             |            | ь.   | _  | _  |              | _            |  |  | ــــــــــــــــــــــــــــــــــــــ |          | _        |       |          |                 | لــــا   |          |          | _        |          |          |          |          |     |           |            |          |                |          |           |          |             |          |          |           |